



1/21

**PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of )  
Travis Barnes et al. ) Art Unit: 3747  
Application No.: 10/632,722 ) Examiner: Hoang, Johnny H.  
Filed: August 1, 2003 )  
For: ON ENGINE TRIM FOR FUEL )  
INJECTORS )  
Attorney Docket No.: 03-219 )

---

Peoria, Illinois 61629-6490  
June 29, 2004

Mail Stop: Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**RESPONSE AND AMENDMENT**

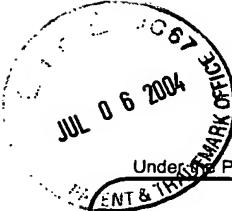
In response to the Office Action dated May 17, 2004, please amend the above-identified application, as follows:

**IN THE SPECIFICATION:**

Please amend the specification, as follows:

Please amend paragraph 27, which bridges pages 6 and 7, as follows:

In a second control block 306, the engine speed governor is modified. For example, in the PI controller 402 of Fig. [[2]] 4, the proportional gain of the forward PI module 404 may be altered, e.g., reduced, and the integral gain of the forward PI module 404 may be set to zero. This would have the effect of "loosening", i.e., modifying, the engine speed control device 112 so that some degree of changes in engine speed are allowed. In alternative configurations, the engine speed control device 112 may be temporarily uncoupled for test purposes.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

*(to be used for all correspondence after initial filing)*

|  |  |                        |                      |
|--|--|------------------------|----------------------|
|  |  | Application Number     | 10/632,722           |
|  |  | Filing Date            | 08/1/2003            |
|  |  | First Named Inventor   | Travis Barnes ET AL. |
|  |  | Art Unit               | 3747                 |
|  |  | Examiner Name          | Hoang, Johnny H.     |
| Total Number of Pages in This Submission |  | Attorney Docket Number | 03-219               |

| ENCLOSURES (Check all that apply)  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Documents<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers<br><i>(for an Application)</i><br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication to Technology Center (TC)<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosures(s) (please identify below):<br><br><b>Remarks</b> |

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                         |   |
|-------------------------|---|
| Firm or Individual name | Michael L. Woods, Registration No. 50,811 |
| Signature               |   |
| Date                    | June 29, 2004                             |

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope address to:  
Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date:

06/29/2004

|                       |                  |      |         |
|-----------------------|------------------|------|---------|
| Typed or printed name | Diana L. Merritt | Date | 6-29-04 |
| Signature             |                  |      |         |

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.